

## SECTION 09955

## ACOUSTICAL WALL COVERINGS

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. This Section includes the following: Acoustical Wall Covering Fabrics.
- B. Prime coats for substrates are specified in Division 9 Section "Painting."

## 1.3 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Product data for each type of product specified. Include data on physical characteristics, durability, fade resistance, and flame resistance characteristics.
- C. Shop drawings showing location and extent of each wall covering type. Indicate termination points.
- D. Samples for verification purposes of each type, color, texture, and pattern of wall covering and molding accessory required, prepared on samples of size indicated below: Full-width sample, not less than 36 inches long, of each wall covering specified. Show complete pattern repeat.
- E. Product certificates signed by wall covering manufacturer certifying materials furnished comply with specified requirements.
- F. Certified test reports showing compliance with requirements for fire performance characteristics and physical properties.
- G. Maintenance data for inclusion in "Operating and Maintenance Manual" specified in Division 1. Include the following:
  - 1. Methods for maintaining wall covering.

2. Precautions for use of cleaning materials and methods that could be detrimental to finishes and performance.

#### 1.4 QUALITY ASSURANCE

Fire Performance Characteristics: Provide acoustical wall coverings with the following surface burning characteristics as determined by testing identical products per ASTM E 84 by UL or other testing and inspecting organizations acceptable to authorities having jurisdiction. Identify acoustical wall coverings with appropriate markings of applicable testing and inspecting organization. Flame Spread: 10 or less. Smoke Developed: 40 or less.

#### 1.5 PROJECT CONDITIONS

Maintain a constant temperature not less than 60 deg F (16 deg C) in installation areas for at least 10 days before and 10 days after installation.

#### 1.6 EXTRA MATERIALS

Furnish extra materials from same production runs as wall covering installed. Package materials with protective covering and identify with labels describing contents. Deliver extra materials to Government. Rolls: Furnish quantity of full-size units equal to 10 percent of amount installed.

### PART 2 - PRODUCTS

#### 2.1 ACOUSTICAL WALL COVERING MATERIALS

- A. Provide Acoustical Wall Covering equal to 100% Polyolefin, 16-ounces per sq.yd. (24-ounces per lineal yard), having backing fusedbonded, Class A Flammability per ASTM E-84, Flame Spread - 10, Smoke Developed - 40, in 54/56-inch widths, 90-foot long rolls, having a NRC Rating per ASTM C-423.90A, solution dyed fibers, having 5-year limited warranty against manufacturing defects.
- B. Acoustical Wall Covering shall be equal to Sound Systems Acoustical Wallcoverings, Pattern: Sidewinder; Color: Chelsea, No. SS 102.

#### 2.2 ADHESIVES

- A. General: Manufacturer's standard for use with specific acoustical wall covering and substrate application.
- B. Characteristics: Mildew-resistant, nonstaining, and strippable.

## 2.2 ACCESSORIES

Wall Liner: Manufacturer's standard nonwoven, synthetic underlayment.

## PART 3 - EXECUTION

### 3.1 PREPARATION

- A. Acclimatize acoustical wall covering materials by removing them from packaging in the installation areas not less than 24 hours before installation.
- B. Follow manufacturer's printed instructions for surface preparation.
  - 1. Prepare substrates to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, and defects.
  - 2. Painted Surfaces: Treat areas susceptible to pigment bleeding.
  - 3. Moisture Content: Maximum of 5 percent on new plaster, concrete, and concrete masonry units when tested with an electronic moisture meter.
  - 4. Prime new gypsum board with a recommended primer.
- C. Check painted surfaces for pigment bleeding. Sand gloss, semi-gloss, and eggshell finishes with fine sandpaper.
- D. Install wall liner, with no gaps or overlaps, where required by wall covering manufacturer. Form smooth wrinkle-free surface for finished installation. Do not begin wall covering installation until wall liner has dried.

### 3.2 INSTALLATION

- A. Follow manufacturer's printed instructions for installation.
- B. Install wall covering with no gaps or overlaps.
- C. Match pattern 6 feet above finish floor.

- D. Install seams vertical and plumb at least 6 inches from outside corners and 3 inches from inside corners. No horizontal seams.
- E. Remove air bubbles, wrinkles, blisters, and other defects.
- F. Trim edges for color uniformity, pattern match, and tight closure at seams and edges. Butt seams.

### 3.3 CLEANING

- A. Remove excess adhesive at finished seams, perimeter edges, and adjacent surfaces.
- B. Use cleaning methods recommended by the wall covering manufacturer.
- C. Replace strips that cannot be cleaned.

END OF SECTION 09950